



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



PUBLIC SERVICE EVENTS

Interested in helping? Visit
<http://www.rars.org/public-service.php>

frequently for our 2018
ham public service
schedule.

RARS General Meeting

Topic: Communications Nostalgia

by Tom McKee, K4ZAD

Date: May 8, 2018

Time: Meeting at 7:30PM

Informal gathering and refreshments from 7 - 7:30 p.m.

Where: Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM / Elmer meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, Elmer Coordinator

[Click here for more information.](#)

President's Message

Why I am a member of the ARRL
Carl W8WZ

For this month's President's article I thought I would share the reasons that I, like most RARS members, choose to be a member of the American Radio Relay League.

The ARRL publishes the best books about Ham Radio available. ARRL license study guides, handbooks, operating manuals, antenna books and QST articles are the gold standard of Amateur Radio publications in the United States. Every time I start a new building project, I start out by reading through old handbook articles for ideas and technical data.

The ARRL is the largest VEC. The ARRL provides its volunteer

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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: Second Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The
meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to
the monthly (first Tuesday) RARS Supper,
6:30PM, at the Golden Corral Restaurant,
6129 Glenwood Ave., Raleigh. Informal and
Dutch, just bring your appetite and best rag to
chew. 73, Chuck, K4HF

RARS Repeaters in Raleigh

146.640 and 444.525

Join us for the nightly RARS net at 8 p.m.
on the 146.640 repeater. All hams holding a
Technician class license or higher are invited
to check in. We welcome both RARS and non-
RARS members to the net.

There is a net Listing on the RARS web-
site click here. <http://www.rars.org/nets.php>

VE Testing

The RARS VEs will accept walk-in testing in
February, May, August and November at
5:30PM, prior to RARS membership meetings
at Ridge Road Baptist Church; the RARSfest
in April; the Cary Swapfest in July; the JARS-
Fest in November; and following RARS license
classes. Please bring a photo ID, your origi-
nal and a copy of your current license, your
\$14 exam fee, and any valid CSCEs that prove
passing elements beyond that of your current
license. Visit www.rars.org for more infor-
mation.

April 2018

RARS Net Report Summary

Checkins: 495

Traffic Brought/Passed: 14/13

Minutes: 873

Sessions: 30

Special 10 Meter Net

Checkins: 19

Minutes: 72

Sessions: 1

Virginia Enzor NC4VA

RARS Net Manager

Future Hamfests

A full list of Hamfests can be found at the

[ARRL website.](#)

05/5/2018 | Tailgating Extravaganza, 10AM to 2PM

Location: Wayne Community College, Goldsboro, NC

Type: Un-Fest

Sponsor: Wayne County Amateur Radio Association

Website: <http://www.k4cyp.com/>

05/12/2018 | [Rockingham County ARC Swapfest](#)

Location: Reidsville, NC

Type: ARRL Hamfest

Sponsor: Rockingham County Amateur Radio Club

Website: <http://n4iv.org>

05/26/2018 | [DurHamFest](#)

Location: Durham, NC

Type: ARRL Hamfest

Sponsor: Durham FM Association

Website: <http://dfma.org/dfmaDHF.html>

06/02/2018 | [Winston-Salem Hamfest](#)

Location: Winston-Salem, NC

Type: ARRL Hamfest

Sponsor: Forsyth Amateur Radio Club

Website: <http://www.w4nc.com>

President's Message continued

examiners with good training before they are credentialed. They provide outstanding test booklets, grading sheets and good service to their VEs. The ARRL webpage is also the best single place to go to locate an amateur radio test being offered anywhere in the United States. This support is essential to getting new hams licensed.

The ARRL webpage advertises licensing classes being taught by local ham clubs at no cost to the club. Most of the students who take the licensing classes being offered by the Raleigh Amateur Radio Society tell us that they learned of our class by searching for amateur radio classes on Google which lead them to the ARRL's page announcing our classes. Without the ARRL our classes would not fill up to maximum capacity within three weeks of being announced as they currently do.

The ARRL organizes great contests, awards and operating events such as Field Day, Worked All States, First Contact Award, DXCC. Yes, I miss the old Rag Chewers Club Award that they used to offer, but the offerings they currently have are still first rate.

The ARRL organizes the National Traffic System (NTS) which I think is one of the most valuable services of Ham Radio to the public. I passed health and welfare traffic out of the gulf coast area after Katrina and saw firsthand how this service is important even in today's internet and cell phone era. There are other organizations that also pass traffic including Radio Relay International (RRI) and The Salvation Army Team Emergency Network (SATERN) and I am also members of those organizations, but they in no way remove the need for the ARRL's NTS.

The ARRL publishes its Net Directory which is very helpful when trying to find a specific net for a specific purpose.

The ARRL organizes our communication with the FCC when the FCC seeks input on issues such as new questions for the ham radio exams or proposed rule changes. I may not always agree with the opinion of the League on these issues, but I appreciate their organizational efforts to make the voices of amateur operators heard effectively. Additionally, the ARRL represents us at the ITU.

The ARRL provides a great QSL bureau. It is a joy to get an envelope full of cards in the mailbox!

The ARRL produces some outstanding podcasts including "The Doctor is In" where Joel W1ZR and Steve WB8IMY answer the technical questions of listeners. Additionally, W1ZR directly answers technical questions from hams sent to him via e-mail and I have benefited from his help when trying to calculate the interaction of two different antennas in my yard.

The ARRL produces a weekly ham radio news bulletin that keeps us up-to-date with happenings in the world of Amateur Radio. This is based on the league's ARRL Letter which is another great resource to stay up-to-date on happenings in the hobby.

Local ARRL Leaders such as Section Managers produce great newsletters to keep members informed of happenings in their own communities.

President's Message continued

QST Magazine, especially since its recent overhaul, is an outstanding magazine. It arrives each month like clockwork and has great advertising so I can see what the newest gear is as well as good articles and updates on activities. I like to look through the magazine and see how many of my friends have their calls listed in it either as the author of an article, or in the Bass Pounder's League or on the Public Service Honor Roll. I also find the obituary section helpful because I often learn that old friends have passed away only by seeing their calls listed in that section of QST. This allows me to send a card to their widow.

The ARRL supports its member clubs by establishing programs such as the Special Service Club. Special Service Clubs have to offer certain services to their members in order to hold this designation. This ensures that local amateurs are getting good service from local clubs. An ARRL Special Service club must provide active training classes, publicity programs and actively pursue technical projects and operating activities.

The ARRL offers code practice bulletins over HF each day to help amateurs improve their code speed. Listening to code over the internet or on an app can be very helpful and I do use those methods. However, listening over the air with QSB and QRN to contend with is even better and we can get that kind of practice every day thanks to the ARRL. The ARRL also offers cool code proficiency certificates if you copy their qualifying runs correctly!

The ARRL publishes operating standards such as suggested sub-band plans, established calling frequencies and the Amateur's Code which help our service operate more effectively and minimizes QRM.

The ARRL runs the Official Observer program which helps us self-police and helps each of us ensure our gear is up to the high technical standards that it should be.

There are about 800,000 licensed hams in the United States (more hams than there have ever been at any point in time!) and the ARRL's membership is about 150,000. While the majority of US hams are not ARRL members, there is no organization that has more hams in it than the ARRL. This makes the ARRL the leading voice of Amateur Radio in our country. Therefore, it is the organization to join for your voice to be heard.

There are many other reasons why a ham might choose to be a member of the ARRL but those are the main reasons why I choose to be a League Member. While no organization is perfect, the ARRL does much good for our hobby and it can get even better if more good hams join and help it to reach its full potential.

I find all of these benefits more than worth the cost of annual League membership and hope that every member of RARS will join me in being an ARRL member and together make the League and our great hobby even better.

73, Carl W8WZ

RARS Birthdays

Matt	NC4SU	05/03
Pete	K4BLY	05/03
Jack	K3RDZ	05/04
Ron	KJ4DNS	05/04
Julie	KM4JEN	05/04
John	KJ4JAS	05/04
Larry	KG4FIQ	05/05
Liz	KO4CK	05/05
John	K3RHJ	05/06
Hank	K4HM	05/08
Wayne	K6TWX	05/08
Tom	N4UAK	05/08
Brian	KA9QJT	05/10
Nancy	KB1HIX	05/10
Bob	NC1X	05/11
David	KC4DFB	05/12
Anthony	KN4KBB	05/15
Wally	NC1NC	05/15
Cam	KU4VY	05/17
Chris	KE4TMO	05/17
Mike	KN4CUT	05/17
Frank	W4NPN	05/17
Chris	KN4IBV	05/18
Larry	K1ZW	05/20
Bill	AK4BL	05/20
Lyn	WA4GEH	05/24
Joe	K4UOO	05/24
Evan	NC4EV	05/25
Courtney	KI4HOS	05/27
Hank	KI4UMX	05/27
Ken	KE4BRW	05/31
Neil	KM4JEL	05/31

New RARS Members

Anthony Swigert	KN4KBB
Arthur Barker Jr	KX4IZ
Tony Hefner	KX4FC
John Ray	KN4LHC
Michael Adams	KN4KWT
Charles Riedeburg	KN4LHD
Maryann Debski	KN4LGW
Steve Goulart	AC2AS
Dave Fosdick	N4DSF
Peter Watts	KN4JJW
Tom Schwartz	NC4TS
Kathy Wiandt	KN4LHI
Mike Butler	KN4LHJ
Mike Phillips	KN4LHB
Andy McDaniel	KN4JJU
Daniel Bartholomew	AG4DB
Lizzy Bartholomew	KN4LGS
William Van Pelt	KN4LHH
Jeff Byrd	KN4LLG



*New HAM / Elmer meeting, 6:00 p.m. before the
member meeting*

Tadd Torborg, KA2DEW, Elmer Coordinator

*The New Hams meeting is held every month before the regular RARS meeting.
We'll try to start by 6pm. We try to address topics in a manner that will be of help
to hams in their first year of operation.*

April New Hams meeting



Tadd Torborg, KA2DEW, talking about DC Power connectors.

The April New Hams Meeting was about Anderson Power pole connectors.

A number of people put the connectors on red and black wire.

April Door Prize winners



Left to Right

Ken Castille (KN4GUS), David Hertzberg (KN4CUZ), Ryan Leathers (KX4JZ) & Ken McEwen (KI4OTO)

April Plaque Presentation to K4HF



Carl (W8WZ) presented Chuck (K4HF) with a plaque for participating in all 46 RARSfests!!!

The presentation during the April RARS meeting was a Digital Mode Demonstration.

Tom N4TL and Louis K4BYN brought two stations to the meeting. The pictures of them are below. Both stations transmitted into dummy loads. Both stations had a laptop for the software. Basic information about the setup was given then a real time contact was shown.

Tom N4TL & Louis K4BYN

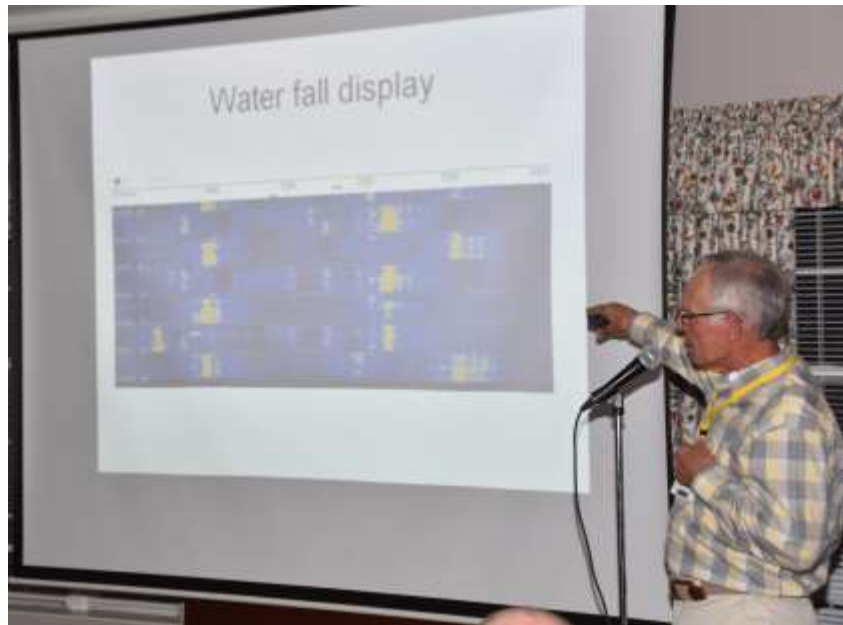


Louis's Demo Station



Tom's Demo Station, Laptop not shown

Continued from the previous page



Louis K4BYN talking about the water fall display in the WJST-X software



April RARS Meeting

Kids Day

June 16, 1:00 p.m. to 7:00 p.m. local time.

Mark your calendar. Show some kids what Amateur Radio is all about. HF or VHF/VHF; local or DX get them on the air. Scouts or family get them on the air. Rent a kid if you have to. You might write a script or have questions for them to ask.



Tyson's first Amateur Radio experience - he's now 10! The old guy would not give his age.

73, Murray, K4MHM

RARS shirts for Field Day

Have a fresh RARS shirt for Saturday afternoon and Sunday morning for when the public visits our site. Easy to order; local company. Go to the [RARS webpage](http://www.rars.org) to order. Get in the blue.

73 Murray, K4MHM

Samuel Morse

By creating of the electric telegraph and unified language that managed to connect all four corners of our world, Samuel Morse solidified his place in the annals of our history. Here you can find out the story of his life, work, and contributions to the human race.

Samuel Morse (April 27, 1791 - April 2, 1872) was an American painter and inventor who is best remembered today for his invention of single-wire telegraph system and the co-inventor of the *Morse code* - method of transmitting textual information as a series of on and off tones. His discovery soon changed the way the messages are sent and received in the entire world, and even today Morse code is still in use in various areas of radio communications. Although he was considered to be poor during the majority of his life, he managed to live as an accomplished painter until he focused his interests on electromagnetism and electric communication. Continued at <http://www.samuelmorse.net/>

Future RARS Meeting Topics

Titles, topics, and speakers subject to change.

6/12/2018	Field Day	Marty W4MY
7/10/2018	Civil Air Patrol	Don Williams, AB4IO
8/14/2018	Linear Amplifiers	Bob Naumann W5OV Sales Manager for DX Engineering
9/11/2018	Satellite Communications	John Brier KG4AKV
10/9/2018	RARS Officers nominations RARS Auction	Election committee & TBD
11/13/2018	RARS Officers election and Show and Tell. Bring something of interest in Ham Radio that you would like to show off. Be prepared to talk about it. The time will be limited so everyone can have time to show their item.	Election committee & members
12/11/2018	RARS pot luck Holiday party. Sign up at the RARS website. RARS Officers induction.	Election committee

Spotlight on RARS Net Controls

Virginia Enzor NC4VA, RARS Net Manager



This month's newsletter features our Friday night NCO. Next month we will start showcasing those who check into the net so that folks can learn more about their fellow hams. The net meets at 8:00 PM on the 146.64 repeater every evening! Please check in; we would love to hear how your day is going.

Spotlight on RARS Net Control Joe Squashic

1. Name, Callsign & License class

Joe Squashic W4TTO, General

2. Assigned RARS Net night

Friday night since 2004.

3. Year originally licensed

2004

4. How did you get into ham radio?

I have always been interested in many aspects of radio. It started with CB radio back in 1965 when I was in my teens. I purchased my first CB radio from Allied Radio in Chicago. Actually, back then everyone used call signs even on 11 meters. After about 5 years with CB, I lost interest when it started to get out of control. I then became interested in shortwave listening. I was a SWL on and off for many years before finally getting my ham license in 2004. If I had to do it all over again, I would have studied and taken the amateur radio exam decades ago. I absolutely love amateur radio and since retiring in 2009, I have so much more time to have fun with the hobby.

5. What aspects of the hobby currently interest you?

DXing, rag chewing, NTS traffic handling, and collecting QSL cards. I enjoy sending and receiving cards from all over the world. My collection is somewhere around 3,000 and counting.

6. Positions that you hold in RARS or other organizations

ARRL ORS (Official Relay Station), PCTN net manager, RARS sponsored NTS traffic training instructor, Carolina 440 Ragchew Net NCO.

7. Any special awards? (DXCC, WAS, WAC, IOTA, etc.)

DXCC, VUCC, WAS, WAC, CQ-WPX

8. Any special project you are currently working on?

No special projects to speak of, just installing some new coax in the garage for my 2 meter and 220 MHz radios.

Continued from the previous page

9. Interests outside of radio?

Pistol shooting, tinkering in the garage, and whenever possible, keeping our cars cleaned and detailed.

10. Words of advice for new hams?

Explore as many facets of amateur radio as possible that you find interesting. There is something for everyone. Also, always exercise good operating skills and practices.



Joe Squashic, W4TTO

NCQP Results 2018

The results are available at this website,

<http://ncqsoparty.org/>

Interesting websites

Soldering guide

<https://learn.adafruit.com/adafruit-guide-excellent-soldering/common-problems>

DX Cluster with Maps

<http://dxcluster.ha8tk.s.hu/>

NSA History department

The NSA has a history department that has free historical publications.

<https://www.nsa.gov/about/cryptologic-heritage/historical-figures-publications/publications/>

You can fill out an online form and submit a request. After a couple of weeks the items should arrive.

I received a booklet about solving the Enigma. Another about the US SIGABA cipher machine that was not broken by the any other government during WWII.

73 Tom N4TL

Standard time and Frequency Stations

CHU Canada

This stations broadcasts a standard time signal on three different frequencies. Three frequencies are used: 3330, 7850, and 14 670 kHz. The transmission mode, upper single sideband with carrier re-inserted. https://www.nrc-cnrc.gc.ca/eng/services/time/short_wave.html

WWV USA

NIST radio station WWV and WWVH broadcasts time and frequency information 24 hours per day, 7

www.rars.org

Continued from the previous page

days per week

WWV operates in the high frequency (HF) portion of the radio spectrum. The station radiates 10,000 Watts on 5 MHz, 10 MHz, and 15 MHz; and 2500 Watts on 2.5 MHz and 20 MHz.

<https://www.nist.gov/pml/time-and-frequency-division/radio-stations/wwv>

<https://tf.nist.gov/stations/iform.html>

Joe Taylor talks about WSJT-X modes

It starts at the 4 hour 50 minute spot in an 8 hour + symposium video.

<https://www.youtube.com/watch?v=j1sWCtVzzak&feature=youtu.be&t=4h50m3s>

Need a Kenwood radio fixed?

Just an FYI that after having a TERRIBLE experience trying to get my TS-590S repaired at the Kenwood East shop in Virginia Beach they returned it saying they did not have a tech to work on it and I should send it to Kenwood West in CA. However, they could not tell me when or if they would fix it.

I sent it to Clif, at www.avvid.com <http://www.avvid.com> . He fixed the power output problem, found a couple other problems, fixed them and returned it in as-new condition, with a very fair labor rate plus parts. For Kenwood, he's the man!

73, Jim, K4QPL

Real Time Band Conditions

Current Band Activity based on DXCluster Reports.

<http://dxdisplay.caps.ua.edu/>

Band Conditions based on a new Ionospheric sounding method called "HF Ionospheric Interferometry" which operates very similarly to the PolSAR system used by NASA.

<http://www.bandconditions.com/>

This one is from last month's presentation, PSK Automatic Propagation Reporter. It uses reports sent in by software at Amateur Stations.

<https://pskreporter.info>

Press Jones, N8UG founder of The Wireman Silent Key

Thanks to Hank, K4HM we learned that Pressley (Press) Jones, N8UG of Landrum, SC and founder of [The Wireman](#), Inc. passed away April 10, 2018. The Wireman continues to be a regular attending dealer at RARSfest although it has been years since Press attended.

Our sympathies are with his family and friends.

73, Chuck, K4HF

Press was the author of The Wire Book, possibly the most informative book on issues likely to be encountered by the average ham. It should be in every ham's library. Prayers to Debbie, Donald, and the family.

73, Dennis Keith

Norman Lynn Pendleton Jr, K4NYV , Silent Key

From the News and Observer we learn of the passing on April 23, 2018 of Norman Lynn Pendleton Jr, K4NYV of Raleigh. Lynn was very active in RARS several years ago and an avid DXer. Our sympathies are with his family and friends.

[News & observer obituary.](#)

73, Chuck, K4HF



Minutes

Raleigh Amateur Radio Society

Board Members Meeting

Date | time 03/20/18 @ 7:04 pm | *Meeting called to order by* Carl Davis W8WZ

In Attendance

9 Members, 0 Visitors

Carl Davis W8WZ

Tara Goodwin W4TSW

Alan Pitegoff AB4OZ

Chuck Littlewood K4HF

Tom Lewis N4TL

Greg Seamster KE4PAX

Hank Montgomery K4HM

Joanne Mars AA3N

Bill Mars AK4BL

Virginia Enzor NC4VA

Approval of Minutes

Quorum present: February Board Meeting Minutes Approved

President Report-Carl W8WZ

Carl announced that he had mailed out all the plaques and certificates of those who were not in attendance for the awards ceremony.

He also sent out welcome letters to the new members and a sympathy letter to the family of James Fleischhauer (KM4DCJ) about the donation made in his name.

Also an email to the WRAL thanking them for running the two amateur radio stories in the past month and reminded the board, if they have not already, to send a thank you email.

Vice President Report-Tom N4TL

Tom announced that the April's presentation would be Digital Mode Demo, including FT8, by Louis (K4BYN) and Tom (N4TL), May would be Communications Nostalgia by Tom Mckee (K4ZAD), and June would be Field Day Presentation by Marty (W4MY)

Treasurer's Report-Greg KE4PAX

Greg reported that there are now 381 members

Secretary's Report-Tara W4TSW

Tara reported that the 03.13.19 Member Meeting minutes had been submitted to the board earlier today, 03/20/18 and asked that the members submit any changes.

She also let those of the RARSfest committee know that the 03.19 meeting minutes had gone out.

Tara was concerned about not knowing the actual number of members needing to be present to present a quorum. After some research with the board it was agreed that it was 10% of the membership.

Directors Reports

Education Director-Carl W8WZ: Carl announced that there are two class sessions left, plus the RARSfest day. There were fifteen of the twenty, that signed up, attending and two of them have already passed a VE test.

The hands-on optional demo day was last Saturday and attendance was low but Dennis (NC4DK) and Tara (W4TSW) were there to assist and those who did attend spent time on the 2m radio speaking to Robert (K4WWR) and also reached out on HF a few times.

He has heard that Mike will update the Extra class curriculum and will start working on the Technicians curriculum changes also.

There was also discussion about how the first two recorded classes are now available online with the last two coming soon.

Exciter Chair-Tom N4TL: Tom announced that he will let give an extension on the April Exciter articles due to RARSfest. Articles are due on April 2nd meaning the Exciter might be out a little later than usual

next month.

RARSFEST Chair-Tara W4TSW: Tara reported the committee had just finished their last meeting of the 2018 event the night before and that the loose ends were being wrapped up. The master layout was going through some changes and would be out to the fairgrounds mid-morning the next day. They added the JARS emergency communication vehicle and was working on making space for another dealer trying to get in last minute. The entire team is looking forward to a great event.

Webmaster-Hank K4HM: Hank reminded us that our server provider is looking to move the site to a new server soon. Knowing that this will cause issues and dead links he has asked them to withhold moving anything until April, after RARSfest. He expects to have some issues to correct once this rollover happens.

He also stated the ARRL news scrolls, that were at the bottom of the webpage, has been removed due to the google ads that have been added caused issues and he would replace the scroll with something else.

Chuck (K4HF) mentioned the ending of Yahoo Groups and how could we move our group from there to a newer platform. The issue is that we are unable to make any changes without the owner log-in/password. The yahoo group ownership information was not passed down, at some point, and, without this required info, Yahoo is not able to assist us in getting into the back door of this issue. We could move platform but we would not be able to move the past history with the group. There will be further discussion on this issue at a later day.

NC QSO Party Chair-Marty W4MY: Not Present but Carl (W8WZ) said that he attended the event at Joe & Liz White's and the day went very well with many people getting on the air.

Tara (W4TSW) mentioned that the week before was the deadline for logs so we should be getting updated soon.

Chuck (K4HF) Mentioned that some DX'ers reached out to him in regards to the marketing/planning committee of the NCQSO Party to say thanks because they had European coast calling "CQ NCQP"

Public Service Director-John K3RHJ: Not present but sent a report that was read by Carl (W8WZ). John's report stated that we are moving into the busy season for the Public Service and will be starting with the MS Walk on April 7th followed by the Spring Rally on April 15th, Tour De Triangle on April 28th, Raven Rock Ramble on May 6th. As of now the volunteer sign-ups are low but he expects some more spots to fill up as we get closer to the events.

Minutes continued from the previous page

Net Manager-Virginia NC4VA: Virginia said she couldn't ask for a better group of Net control operators. They are engaging and great about getting reports in on time. All is going well with the group.

ARRL Liaison-Chuck K4HF: Chuck reports that the most significant item coming down the line is the study and decision to possibly expand the HF frequencies for the Technician license.

Director-at-large-Joanne AA3N: Joanne did not have a report but she did mention that she is in charge of the sign in table on nights of the meeting and cannot be in two places at once. There is talk of getting more people involved to assist in welcoming the guest, making sure everyone is signed in, and if there is a need to assist members with questions.

Director-at-large-Alan Pitegoff AB4OZ: Present, no report to give

Food Service Chair-Bill AK4BL: Present, nothing to report

Youth Director-Murray K4MHM: Not present, no report given

Immediate Past President-Dennis NC4DK: Not present, no report given

Director-at-large-Marty W4MY: Not present, no report given

Public Information Officer-Charles KM4AMT: Not present, no report given.

ARRL NC Section Manager-Karl W4CHX: Not present, no report given

W4DW/W4RNC TRUSTEE-Jeff, AC4ZO: Not present, no report given

Public Service Director-John K3RHJ: Not present, no report given

Field Day Chair-Marty W4MY: Not Present, no report given

FM Repeater Chair-Karl W4CHX: Not Present, no report given

Old Business

None

New Business

Ambassador Program: Carl (W8WZ) mentioned starting an Ambassador Program and getting some of the RARS membership involved in welcoming guest to the meetings, inviting the operators attending the new ham class over to the meeting afterwards, and other Ambassador type assistance to the club.

Chuck (K4HF) had an idea to announce it during the club meeting and have volunteers meet with Carl after the meeting.

Complimentary Memberships: Greg (KE4PAX) pointed out that sometimes a students starts a RARS class but then goes and gets his VE testing, early, at another testing site has been offered the free membership. Carl (W8WZ) brought it up that this would be a great time to decide how we want to move forward with this since we usually only give the free membership to those who take the class and pass with our VE Team afterwards. This was opened up for discussion.

Carl suggested that those that attend at least half the class should be allowed to become a free member even if they decide to test early and pass. Chuck (K4HF) brought up what is the money situation connected to this and Greg stated there is no money involved. We usually just give them a slip in their class packet that states once they pass the testing session they can go online and enter the information for their complimentary membership. Greg said since we started this in 2013 there is about a 25% rollover rate where they stay as members after taking advantage of the complimentary membership.

It was decided that they would be given the slip in their class packet that they could turn in, if they so choose, after getting licensed. Hank motioned that this should be the new standard and Virginia (NC4VA) seconded and it was approved.

Additional Business/Comments/Announcements

None

Next Meeting

04/17/2018, 2011 Ridge Road at 7pm

Meeting was adjourned at 8:21pm

Meeting Minutes taken and Submitted by Tara Goodwin W4TSW

Minutes

Raleigh Amateur Radio Society

Regular Members Meeting

Date | time 04/10/18 @ 7:30pm | *Meeting called to order by* Carl Davis, W8WZ

In Attendance

The monthly membership meeting of the Raleigh Amateur Radio Society met at the Ridge Road Baptist Church in Raleigh. The meeting was called to order by President Carl, W8WZ, at 7:30 pm.

The pledge of Allegiance was recited

60 members and 6 visitors.

Visitors were Jay Deuser, Daniel Bartholomew (AG4DB), Elizabeth Bartholomew (KN4LGS), Dennis Had (W4USR), Ryan Leathers (KX4JZ), Andy McDaniel (KN4JJU)

Approval of Minutes

A quorum being present, a motion to accept the minutes of the March 13, 2018 meeting, as published in the Exciter, was made, seconded, and approved.

Continuing Announcements

The RARS dinner takes place monthly on the first Tuesday (next: May 1st) at 6:30p.m. at Golden Corral; 6129 Glenwood Ave, Raleigh.

The next board meeting, which is open to all our members, will be Tuesday April 17th at 7pm in the Ridge Road Church conference room. Afterwards many members retire to a nearby restaurant for a quick bite.

Tonight's after-meeting gathering, for any who are interested, will be at the Rudinos located at 3101 Edwards Mill Rd Raleigh 27612

A new ham/Elmer's meeting with new hams, and anyone interested, takes place before each membership meeting at 6pm at the Ridge Road church.

This month's group of hams, led by Tad (KA2DEW) had just finished making DC power cables using 14 gauge zip-core and Anderson PowerPole connectors.

Minutes continued from the previous page

Alan (AB4OZ) announced that he would have a 10 meter net at 9pm on Saturday the 14th, following the tech net 28.364, for those wanting to test equipment. He would start by beaming west then work his way around to catch as many check-ins as possible.

Asif (W4EMD) had a newspaper article and he spoke about a Ham that has been collecting all kinds of Desktop Computer equipment from the 60's-to-present and he is looking for someone to share his collection for a museum. For more information you can reach out to him.

Door Prizes

Door Prizes were won by Ken Castille (KN4GUS), Ryan Leathers (KX4JZ), David Hertzberg (KN4CUZ), & Ken McEwen (KI4OTO)

Congratulations to all our April Winners!!!

Vice President Report/Exciter Chair-Tom N4TL

He thanked everyone for their article submittals for the April Exciter.

Tom announced that the May's presentation would Communications Nostalgia by Tom McKee (K4ZAD), and the June presentation will be Field Day Presentation by Marty (W4MY)

Treasurer's Report-Greg KE4PAX

Greg was not present but he sent a report to be read by Carl, (W8WZ) and it stated that our membership currently is at 398 members. He updated the club on the current numbers and the Treasurers Report was approved. For those interested in official treasurer reports can contact Greg (KE4PAX)

Secretary's Report-Tara W4TSW

No Report; Quorum present

Board and Committee Reports

RARSFEST Chair-Tara W4TSW: RARSfest 2018 was a success thanks to all those who planned, volunteered, and attended this year. We were almost 4% higher in attendance this year, though we keep getting comments from guest believing the attendance was down. What was different this year was

Minutes continued from the previous page

the usually 8-9 rush wasn't as heavy and we had a later rush that ran from 11-1.

But that wasn't even the highlight of attendance. 13 volunteer examiners administered 74 tests, for 58 candidates, in a two hour period. Out of those 74 test we now have 18 new Technician operators, 18 new Generals (13 were upgrades and 5 completed Tech/General at same time) and 9 Extras

Bill had around 15 participants hunting the fox, Alan and his team assisted with around 25 J Pole builds and rumor has it there were roughly 40 people at John Second satellite Demo.

And in just a few hours Mary Jo, Joann, and the rest of the team managed to set up, serve, and clean up dinner for roughly 175 people which gave Jeff and his team the time needed to induct around 25 new hams into the Wouff Hong order on Friday night.

From set up to tear down many RARS members spent almost 40 hours In 3 days at the Jim Graham building making sure that everything was ready for the event and, If you attended, then you saw the caring and detail that went into making everything run smooth as possible. And we have already set the plans into motion for the 47th RARSfest on April 20th 2019! We will see you there!!!

Net Manager-Virginia NC4VA: Virginia reported that, along with the in person spotter training classes, they will be offering a Central Carolina Sky Warn Spotters net in two parts. The first part would be on Tuesday April 10th, starting at 9:15pm, on the 146.88 repeater followed by the second part on April 17th at 9:15pm on the same repeater. Participants can upload the presentation in advance from the Central Carolina SkyWarn website and follow along. You can also listen on the livestream. It was discussed that anyone already trained should listen to refresh their training and keep their certification active.

Field Day Chair-Marty W4MY: Marty announced that Field Day is going to be June 22nd & 23rd at the Raleigh Police Club in Knightdale. More information will be coming closer to time.

Board and Committee with No Report

Public Service-John K3RHJ

FM Repeater Chair-Karl W4CHX

Food Service-Bill AK4BL

ARRL Liaison-Chuck K4HF

Youth Director-Murray K4MHM

Past President-Dennis NC4DK

Director At Large-Joanne AA3N

ARRL Section Manager-Karl W4CHX

Webmaster-Hank K4HM

www.rars.org

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W4DW/W4RNC Trustee

Director at Large-Alan Pitegoff AB4OZ

NC QSO Party Chair-Marty W4MY

Education Director-Carl W8WZ:

Old Business

No Old Business

New Business

No New Business

Additional Business/Comments/Announcements

At the beginning of the meeting Carl (W8WZ) presented Chuck (K4HF) with his plaque from the last meeting that had been unable to attend. Congratulations to Chuck on participating in all 46 RARS *feets*!!!

Tonight's presentation Digital Mode Demo, including FT8, by Louis (K4BYN) and Tom (N4TL)

Next Meeting

05/08/2017, 2011 Ridge Road at 7pm

Meeting was adjourned at 9:10 pm

Meeting Minutes taken and Submitted by Tara Goodwin W4TSW

Current Public Service Opportunities

To volunteer for a Public Service event please complete the form at the top of this page.

WELCOME TO THE 2018 HAM PUBLIC SERVICE EVENT SIGNUP PAGE. Choose the event(s) for which you would like to volunteer and complete the sign-up form at the top of the page... note... one form for EACH event that you are volunteering. It's also very helpful to indicate what type of assignment you're interested in.

THE 2018 LIST OF PUBLIC SERVICE EVENTS WILL BE POSTED AS CONFIRMED - CHECK BACK FREQUENTLY FOR UPDATED INFORMATION

Events you can sign up for now:

www.rars.org/public-service.php

The most versatile pieces of equipment for working as a ham volunteer during public service events are as follows:

PRIMARY EQUIPMENT

- * Dual band (144/440) 25 watt (min) mobile transceiver
- * A 1/2-5/8 wave well grounded dual band mobile antenna

EXTRAS THAT ARE HELPFUL

- * Dual Band (144/440) hand held transceiver
- * Extra set of charged batteries
- * Ear phones & speaker mic or boom mic/headphone set
- * Higher gain antenna than the supplied rubber duck. For example Comet BN-24 or SMA-24 or Diamond RHF40 or SRH77CA. There are also many other hi-gain HT antennas available.

2018 Raven Rock Ramble

May 6, 2017 - Sunday - New Hill, NC

This bike event has multiple routes from 10 to 100 miles, requiring SAGS, as well as Hams assigned to Rest Stops. There will be approximately 700 riders participating and raising funds for the UNC Kidney Center.

- * Location: Harris Lake County Park, 2112 County Park Dr., New Hill, NC 27562
- * Ham Coordinator: John Stone (K3RHJ)
- * Website: Raven Rock Ramble

TO VOLUNTEER, FILL OUT THE FORM AT www.rars.org/public-service.php

RARS Classifieds

Copied from www.rars.org/classifieds.php

The items below were listed within the last 30 days on the RARS website.

For Sale

Posted April 26th, 2018 by: K4LXV

Contact: k4lxv@twc.com

Henry 2K amplifier, solid state power supply, w/soft start & Peter Dahl plate xfmr. Two 3-400Z tubes in final, for 1.2-2Kw output. Configurable 115 or 220 AC input. \$800.

Ameritron RCS-4, four antenna remote coax switch. Uses coax cable for control \$50.

Ameritron ARB-704 amp buffer interface. Includes interface cable for Icom \$35.

EZ-Way RBX 40 crank up Tilt over tower already on ground. Missing hardware & cables.(see www.kf7p.com for some items)(make offer).

2 ea. 3-400Z used good tubes.\$125 for the pair.

All equipment has manuals. Some has boxes.

Larry Young, K4LXV Phone 919-612-1447.

Realistic DX-370 FM/FM stereo/mw/shortwave receiver

Posted April 24th, 2018 by: WZ0Q

Contact: wz0q@outlook.com

- Realistic DX-370 Fm/fm/mw/shortwave Have a Realistic DX-370 Voice of the World FM/FM stereo/mw/shortwave/PLL Synthesized Receiver.

Works very well. No box, No charger, but I am using batteries.

No manual, but you can google it.

Asking \$20.00 or OBO

Dennis

wz0q 919-413-5998

HY-Gain Vertical

Posted April 18th, 2018 by: W4ZWA

Contact: zackalexander@w4zwa.com

HY-Gain AV-12AVQ Vertical - \$80.00

10-15-20 Meter Tri-Band vertical, used for several years and made lots of contacts. Did very well on 40 Meter's as well with a good radial field

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RADIO HANDBOOK

Posted April 9th, 2018 by: N4KYW

Contact: howagood@yahoo.com

Radio Handbook, Seventeenth Edition

Author: William I. Orr, W6SAI

Publisher: Editors & Engineers Ltd.

Publication Year: 1967

Number of Pages: 847

Binding: Hardcover

Condition: Excellent (slight yellowing of cover)

Own a piece of outstanding literature from the Golden Age of amateur radio. This is NOT an edition of the ARRL's Radio Amateur's Handbook but rather an entirely different publication altogether. I purchased this book while I was in grad school, to read as a diversion from my studies.

But a handful of topics covered include:

- Introduction to Amateur Radio
- DC Circuits
- AC Circuits
- Vacuum Tube Principles
- Transistors and Semiconductors
- Vacuum Tube Amplifiers
- Radio Frequency Vacuum Tube Amplifiers
- Radio Receiver Fundamentals
- Generation of Radio Frequency Energy

And that's just the beginning! Thirty-three information-packed chapters in all. No advertising.

A mere twenty bucks, and it's yours.



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BRAND NEW Icom ID-880H 2m/440 Digital Dual Band Mobile

Posted April 8th, 2018 by: W3GP

Contact: w3gp@arrl.net

None of the components have ever been out of the box. Bought it years ago and never got around to installing it in my car. The ID-880H can transmit and receive D-STAR format digital voice and 950 bps data communication, simultaneously. Analog FM mode is also available. Output power may be selected at 50, 15 or 5 watts. The receive range (USA version) is: 118 -173.995, 230-549.995, 810-823.990, 849-868.990 and 894-999.990 MHz. Supported modes include: FM, AM (receive only) and DV. Price is \$350 OBO

IC-756 (not Pro)

Posted April 8th, 2018 by: W3GP

Contact: w3gp@arrl.net

For sale by the original owner. This is the original model with the monochrome display. Fully functional with no issues. Very lightly used as a backup radio. Includes manual and power supply cable, hand mic and original box. Price is \$500 OBO

For Sale; Vibroplex Bug Deluxe Standard w/Shorting Bar

Posted April 8th, 2018 by: W8WZ

Contact: w8wz@aol.com

For Sale: Vibroplex Deluxe Standard Bug - serial number 165458 with the New York address on the name plate. Bug has shorting bar \, red jewel on tip and red finger plates. Bug works 100% but does have some cosmetic wear to the chrome plating. Rubber feet in good shape and bug does not travel around table when used. Will be packaged well for safe shipping. \$150 plus \$20 S&H. Bug can be picked up near Raleigh, NC to avoid S&H fee.
73, Carl W8WZ

